

GenCore version 5.1.4 p5.4578  
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OM nucleic - nucleic search, using sw model

Run on: March 15, 2003, 12:16:13 ; Search time 35.3242 Seconds  
(without alignments)  
9688.871 Million cell updates/sec

Title: US-08-978-217-1

Perfect score: 1116  
Sequence: 1 ATGGCTGCAACCTGTGAGAT.....TTCTCCAGATCGAAGTGA 1116

Scoring table: IDENTITY NUC  
Gapop 10.0 , Gapext 1.0

Searched: 441362 seqs, 153338381 residues

Total number of hits satisfying chosen parameters: 882724

Minimum DB seq length: 0  
Maximum DB seq length: 2000000000

Post-Processing: Minimum Match 0%  
Maximum Match 100%  
Listing first 45 summaries

Database : Issued Patents NA: \*  
1: /cgn2\_6/prodata/1/ina/5A\_COMB\_seq: \*  
2: /cgn2\_6/prodata/1/ina/5B\_COMB\_seq: \*  
3: /cgn2\_6/prodata/1/ina/6A\_COMB\_seq: \*  
4: /cgn2\_6/prodata/1/ina/6B\_COMB\_seq: \*  
5: /cgn2\_6/prodata/1/ina/PCTUS\_COMB\_seq: \*  
6: /cgn2\_6/prodata/1/ina/backfile1\_seq: \*

Pred. No. is the number of results predicted by chance to have a  
score greater than or equal to the score of the result being printed,  
and is derived by analysis of the total score distribution.

## SUMMARIES

Result No.	Score	Query Match	Length	DB	ID	Description
1	1109.6	99.4	1920	1	US-08-746-789A-1	Sequence 1, Appl1
2	173.8	15.6	852	4	US-09-020-956-44	Sequence 44, Appl1
3	173.8	15.6	852	4	US-09-030-607-44	Sequence 44, Appl1
4	173.8	15.6	852	4	US-09-605-785-44	Sequence 44, Appl1
5	173.8	15.6	852	4	US-09-439-113-44	Sequence 44, Appl1
6	173.8	15.6	852	4	US-09-352-616A-44	Sequence 44, Appl1
7	173.8	15.6	852	4	US-09-232-149A-44	Sequence 44, Appl1
8	173.8	15.6	5427	3	US-09-009-913-2	Sequence 2, Appl1
9	173.8	15.6	5510	3	US-09-009-913-3	Sequence 3, Appl1
10	173.8	15.6	5677	3	US-09-009-913-4	Sequence 4, Appl1
11	162.6	14.6	848	3	US-09-009-913-338	Sequence 338, Appl1
12	101.2	9.1	2280	3	US-09-009-913-8	Sequence 8, Appl1
13	101.2	9.1	2428	3	US-09-009-913-6	Sequence 6, Appl1
14	101.2	9.1	2498	3	US-09-009-913-10	Sequence 10, Appl1
15	84.8	7.6	2266	2	US-09-213-767-1	Sequence 1, Appl1
16	78.2	7.0	1905	4	US-09-055-113-2	Sequence 2, Appl1
17	73.4	6.6	2975	1	US-08-368-281-1	Sequence 1, Appl1
18	73.4	6.6	3240	1	US-08-368-281-3	Sequence 3, Appl1
19	66.6	6.0	1752	4	US-09-360-779-1	Sequence 1, Appl1
20	66.6	6.0	1752	4	US-09-435-335-1	Sequence 1, Appl1
21	65.6	5.9	2268	2	US-09-344-579-1	Sequence 1, Appl1
22	63.4	5.7	2938	3	US-08-343-443B-3	Sequence 3, Appl1
23	59.8	5.4	2667	4	US-08-469-412A-1	Sequence 1, Appl1
24	59.8	5.4	2667	4	US-09-021-715-1	Sequence 1, Appl1
25	59.4	5.3	2064	3	US-08-875-944B-1	Sequence 1, Appl1
26	59.4	5.3	2064	3	US-09-116-049-3	Sequence 3, Appl1
27	53.6	4.8	1447	4	US-08-878-177-1	Sequence 1, Appl1

28	53.6	4.8	1528	4	US-08-878-177-3	Sequence 3, Appl1
29	51.4	4.6	2410	2	US-08-780-835B-1	Sequence 1, Appl1
30	51.4	4.6	2410	4	US-09-303-268-1	Sequence 1, Appl1
31	51.4	4.6	2410	4	US-09-116-049-1	Sequence 1, Appl1
32	51.2	4.6	7218	1	US-08-232-463-14	Sequence 14, Appl1
33	49.6	4.4	1604	1	US-08-306-691B-43	Sequence 43, Appl1
34	49.6	4.4	1604	5	PCT-US93-06251-9	Sequence 9, Appl1
35	43.6	3.9	1364	5	US-08-306-691B-50	Sequence 50, Appl1
36	43.6	3.9	1364	5	PCT-US93-06251-65	Sequence 65, Appl1
37	41.8	3.7	2544	2	US-08-469-412A-6	Sequence 6, Appl1
38	41.8	3.7	2544	4	US-09-021-715-6	Sequence 6, Appl1
39	38.8	3.5	2089	1	US-07-977-630-81	Sequence 81, Appl1
40	38.8	3.5	2089	1	US-07-977-630-82	Sequence 82, Appl1
41	38.8	3.5	3993	1	US-08-316-950-14	Sequence 14, Appl1
42	38.8	3.5	3993	5	PCT-US95-12642-14	Sequence 14, Appl1
43	38.8	3.5	5173	1	US-08-242-677-1	Sequence 1, Appl1
44	38.8	3.5	6044	1	US-08-316-950-18	Sequence 18, Appl1
45	38.8	3.5	6044	5	PCT-US95-12642-18	Sequence 18, Appl1

## ALIGNMENTS

RESULT 1  
US-08-746-789A-1  
; Sequence 1, Application US/08746789A  
; Patent No. 5789200  
GENERAL INFORMATION:  
APPLICANT: Ismail Kola, Martin J. Tyms, Christine Deabouk  
TITLE OF INVENTION: A No. 5789200el Human ETS Family Member, ELF3  
NUMBER OF SEQUENCES: 4  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: SmithKline Beecham Corporation  
STREET: 709 Swedeland Road, P.O. Box 1539  
CITY: King of Prussia  
STATE: PA  
COUNTRY: USA  
ZIP: 19406-0939  
COMPUTER READABLE FORM:  
MEDIUM TYPE: DISKETTE, 3.5 INCH, 1.44 Mb STORAGE  
COMPUTER: IBM 486  
OPERATING SYSTEM: WINDOWS FOR WORKGROUPS  
SOFTWARE: MICROSOFT WORD  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/746, 789A  
FILING DATE: No. 5789200el 15, 1996  
CLASSIFICATION: 514  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER:  
FILING DATE:  
ATTORNEY/AGENT INFORMATION:  
NAME: William T. Han  
REGISTRATION NUMBER: 34,344  
REFERENCE/DOCKET NUMBER: ATG 50024  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 610 270 5219  
TELEFAX: 610 270 4026  
INFORMATION FOR SEQ. ID NO. 1:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 1920  
TYPE: Nucleic Acid  
STRANDEDNESS: Single  
TOPOLOGY: Linear  
ANTI-SENSE: No  
US-08-746-789A-1  
Query Match 99.4%; Score 1109.6; DB 1; Length 1920;  
Best Local Similarity 99.6%; Pred. No. 2.2e-272;  
Matches 1112; Conservative 0; Mismatches 4; Indels 0; Gaps 0;  
QY 1 ATGGCTGCAACCTGTGAGATTAGCAACATTTTATGCAACTTCACTTCACTGATGATGATACAGC 60  
DB 115 ATGGCTGCAACCTGTGAGATTAGCAACATTTTATGCAACTTCACTTCACTGATGATGATACAGC 174

61 TCGAGAGACTCCACCTGGCCCTCTGTCCCTGCTGACCTTTGGGGCCGATGACTTG 120  
175 TCGAGAGACTCCACCTGGCCCTCTGTCCCTGCTGACCTTTGGGGCCGATGACTTG 234  
121 GTACTGACCTTGAGCAACCCCGATGTCATTTGAGGGGTACAGAGAGCCAGCTGTG 180  
225 GTACTGACCTTGAGCAACCCCGATGTCATTTGAGGGGTACAGAGAGCCAGCTGTG 294  
181 GGGGAG 240  
295 GGGGAG 354  
241 GAG 300  
355 GAG 414  
301 ACCCTCTGCAATTTGCTCCCTTGAGAGAGCTGCTGTGCTTTGGGCTCTGTGGGAGCA 360  
415 ACCCTCTGCAATTTGCTCCCTTGAGAGAGCTGCTGTGCTTTGGGCTCTGTGGGAGCA 474  
361 CTCGATGCGCCAGCTGCGAGAGCTCTCACTTCAGCTCTTCTGATGAGCTGATGATCA 420  
475 CTCGATGCGCCAGCTGCGAGAGCTCTCACTTCAGCTCTTCTGATGAGCTGATGATCA 534  
421 GAGCTGCTGAG 480  
535 GAGCTGCTGAG 594  
481 CAGGAG 540  
595 CAGGAG 654  
541 CCGGAG 600  
655 CCGGAG 714  
601 ACTGAGCTGCTCGAGAGCTCCCACTCTCTGAGACTCCGAGTGAAGTGAAGTGAAGT 660  
715 ACTGAGCTGCTCGAGAGCTCCCACTCTCTGAGACTCCGAGTGAAGTGAAGTGAAGT 774  
661 CCCACTGATGCGAGAGCTCTTCCCGAGAGTGTGTTCTGATCTCAAGAGAGAGAGAG 720  
775 CCCACTGATGCGAGAGCTCTTCCCGAGAGTGTGTTCTGATCTCAAGAGAGAGAGAG 834  
721 AAGCAGCGGAG 780  
835 AAGCAGCGGAG 894  
781 CTCGAGGAG 840  
895 CTCGAGGAG 954  
841 GACATCTCTATCTCACCCGAGAGCTCAACGAGGCTCTCATGAGTGGAGAGATGGCATGA 900  
955 GACATCTCTATCTCACCCGAGAGCTCAACGAGGCTCTCATGAGTGGAGAGATGGCATGA 1014  
901 GGGCTCTTCAATTTCTCTGAGCTCCGAGAGTGTGAGCCCACTATGGGGCCCAAGAGAG 960  
1015 GGGCTCTTCAATTTCTCTGAGCTCCGAGAGTGTGAGCCCACTATGGGGCCCAAGAGAG 1074  
961 AACAGCAACATGACCTACGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 1020  
1075 AACAGCAACATGACCTACGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 1134  
1021 ATCTCTGAG 1080  
1135 ATCTCTGAG 1194  
1081 TGGAG 1116  
1195 TGGAG 1230

## RESULT 2

US-09-020-956-44/c

Sequence 44, Application US/09020956

Patent No. 6261562

GENERAL INFORMATION:

APPLICANT: Xu, Jianshun

APPLICANT: Dillin, Davin C.

TITLE OF INVENTION: COMPOUNDS FOR IMMUNOTHERAPY OF PROSTATE CANCER AND METHODS FO

NUMBER OF SEQUENCES: 178

CORRESPONDENCE ADDRESS:

ADDRESSEE: SEED AND BERRY LLP

STREET: 6300 Columbia Center, 701 Fifth Avenue

CITY: Seattle

STATE: WA

COUNTRY: USA

ZIP: 98104

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patent In Release #1.0, Version #1.30

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/09/020,956

FILING DATE: 09-FEB-1998

CLASSIFICATION:

ATTORNEY/AGENT INFORMATION:

NAME: Mark, David J.

REGISTRATION NUMBER: 31,392

REFERENCE/DOCKET NUMBER: 210121.427C2

TELECOMMUNICATION INFORMATION:

TELEPHONE: (206) 622-4900

TELEFAX: (206) 682-6031

INFORMATION FOR SEQ ID NO: 44:

SEQUENCE CHARACTERISTICS:

LENGTH: 852 base pairs

TYPE: nucleic acid

STRANDEDNESS: single

TOPOLOGY: linear

MOLECULE TYPE: cDNA

ORIGINAL SOURCE:

ORGANISM: Homo sapiens

US-09-020-956-44

Query Match 15.6%; Score 173.8; DB 4; Length 852;

Best Local Similarity 69.7%; Pred. No. 4.2e-35;

Matches 235; Conservative 0; Mismatches 102; Indels 0; Gaps 0;

QY 758 TGAGCAAGAGTACTGGAGCTGCTCGAGGGCAAGAGAGAGAGAGAGAGAGAGAGAG 817  
DB 450 TGAAG 391  
QY 818 CCCACTGTGGAGTTCATCCGGGACATCTCATCCACCCGAGACTCAACGAGGGCTCA 877  
DB 390 CTCACCTTATGGAAATTCAATCCGAGACATCTTGAACCCGAGAGAGAGAGAGAG 331  
QY 878 TGAAGTGGAGAGATCGGATGAGAGCGCTTCAAGTTCTCGCTCCGAGGCTGTGGCC 937  
DB 330 TAAATGGAG 271  
QY 938 AACTATGGGGCCAAAG 997  
DB 270 AGCTATGGGGTAAAG 211  
QY 998 TGAGTACTACTACAAAGGAGAGATCTTGAGAACGGGTGAGATGGCCGGGAGATCTG 1057  
DB 210 TGAGTATTTACTACAAAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 151  
QY 1058 AGTTTGGCAAAAGTCAAGCGGCTGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 1094  
DB 150 AATTTGGAGAGAGATGCCCGAGAGATGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 114

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RESULT 3
US-09-030-607-44/c
: Sequence 44, Application US/09030607
: Patent No. 6262245
: GENERAL INFORMATION:
: APPLICANT: Xu, Jiangchun
: APPLICANT: Dillon, Davin C.
: TITLE OF INVENTION: COMPOUNDS FOR IMMUNOTHERAPY OF PROSTATE CANCER AND METHODS FO
: NUMBER OF SEQUENCES: 224
: CORRESPONDENCE ADDRESS:
: ADDRESSEE: SEED and BERRY LLP
: STREET: 6300 Columbia Center, 701 Fifth Avenue
: CITY: Seattle
: STATE: WA
: COUNTRY: USA
: ZIP: 98104
: COMPUTER READABLE FORM:
: MEDIUM TYPE: Floppy disk
: COMPUTER: IBM PC compatible
: OPERATING SYSTEM: PC-DOS/MS-DOS
: SOFTWARE: PatentIn Release #1.0, Version #1.30
: CURRENT APPLICATION DATA:
: APPLICATION NUMBER: US/09/030,607
: FILING DATE: 25-FEB-1998
: CLASSIFICATION:
: ATTORNEY/AGENT INFORMATION:
: NAME: Makl, David J.
: REGISTRATION NUMBER: 31,392
: REFERENCE/DOCKET NUMBER: 210121.427C3
: TELECOMMUNICATION INFORMATION:
: TELEPHONE: (206) 622-4900
: TELEFAX: (206) 682-6031
: INFORMATION FOR SEQ ID NO: 44:
: SEQUENCE CHARACTERISTICS:
: LENGTH: 852 base pairs
: TYPE: nucleic acid
: STRANDEDNESS: single
: TOPOLOGY: linear
: MOLECULE TYPE: cDNA
: ORIGINAL SOURCE:
: ORGANISM: Homo sapiens
US-09-030-607-44

Query Match          15.6%; Score 173.8; DB 4; Length 852;
Best Local Similarity 69.7%; Pred. No. 4.2e-35;
Matches 235; Conservative 0; Mismatches 102; Indels 0; Gaps 0;

QY 758 TGAGCAAGAGTACTGGAGACTGTCTTCGAGGGCAAGAGCAAGCAGCGGCCCAAGGGCA 817
Db 450 TGAAGAAAGAGAGCAAGACCCCTGCGCAAGTGCACACAAAAGCAACACCCGAGGGGA 391
QY 818 CCCACCTGTGGAGATTCAATCCGGGACATCCTCATCCACCGGAGTCTCAACGAGGGCTCA 877
Db 390 CTCACCTTATGGGAATTCATCCCGGACATCCTCTTGAAACCAAGCAAGAACCCAGATTAA 331
QY 878 TGAAGTGGAGAAATCGGCATGAAAGCGCTTCAAGTTCTCTGCAGCTCCGAGCTGTGAGCC 937
Db 330 TAAATGGGAAGACCGATCTGAAGGGCGTCTTCAAGTTCTTGAAATCAGAGGCGAGTGCGTC 271
QY 938 AACTATGGGGCCAAAAGAAAAGAACAGCAATGACCTTACGAGAAAGCTGAGCGCGGCCCA 997
Db 270 AGCTATGGGGTAAAGAAAGAAACACAGCAGCATGACCTATGTAAGAAAGCTCAGCGGAGCTA 211
QY 998 TGAGGTACTACTACAAACGGGAGATCCTGGAACGGGTGATGAGCGGCGAGCTGCTACAA 1057
Db 210 TGAAGTATTACTACAAAGAAAGAAATTTCTGGAGCGTGTGATGACGAAAGACTGTATTATA 151
QY 1058 AGTTTGGCAAAATCTCAAGCGGCTGAGAGAGGAGAGA 1094
Db 150 AATTGGGAAGATGCCGAGGATGAGAGAAATGA 114

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US-09-605-785-44/c
; Sequence 44: Application US/09605785
; Patent No. 6321716
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Dillon, David C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Harlocker, Susan L.
; APPLICANT: Jiang, Yugu
; APPLICANT: Henderson, Robert A.
; APPLICANT: Kalos, Michael D.
; APPLICANT: Fanger, Gary R.
; APPLICANT: Retter, Marc W.
; APPLICANT: Stolk, John A.
; APPLICANT: Day, Craig H.
; APPLICANT: Vedvick, Thomas S.
; APPLICANT: Carter, Darick
; APPLICANT: Li, Samuel
; APPLICANT: Wang, Aijun
; APPLICANT: Skeiky, Yasir A.W.
; APPLICANT: Hepler, William
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; TITLE OF INVENTION: DIAGNOSIS OF PROSTATE CANCER
; FILE REFERENCE: 210121.427C16
; CURRENT APPLICATION NUMBER: US/09/605,785
; NUMBER OF SEQ ID NOS: 835
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 44
; LENGTH: 852
; TYPE: DNA
; ORGANISM: Homo sapien
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (1)...(852)
; OTHER INFORMATION: n = A,T,C or G
US-09-605-785-44

Query Match      15.6%; Score 173.8; DB 4; Length 852;
Best Local Similarity 69.7%; Pred.No. 4.2e-35;
Matches 235; Conservative 0; Mismatches 102; Indels 0; Gaps 0;

QY 758 TGAGCAAGAGTACTGGGACTGTCTCGAGGGCAGAAAGCAAGCAGCGCCCAAGAGCA 817
DB 450 TGAATAAGAGACAGAACCCCTCGCAAGTGCACACCAAAAAGCACAACCCGAGAGGA 391
QY 818 CCCACCTGGAGAGTTCATCCGGGACATCCATCCATCCACCCGGAGCTCAACGAGGCTCA 877
DB 390 CTCACCTTAATGGAAATTATCCGCGCATCTCTTGAAACCCAGACAAGAACCCAGGATTAA 331
QY 878 TGAAGTGGAGAGATCGCATGAAGCGCTTCAAGTTCTCTCGGCTCCGAGGCTGTGGCC 937
DB 330 TAAATGGGAGAGCCGATCTGAGGGCGTCTTAGGTTCTTGAAATCAAGAGGAGTGGCTC 271
QY 938 AACTATGGGGCCAAAAGAAAAGAAACAGACAACATGACTTACGAGAGAGTGAAGCGGGCCA 997
DB 270 AGCTATGGGGTAAATAAGAAAGAACAAACAGACATGACCTATGAAAAGCTACGACGAGCTA 211
QY 998 TGAGGTACTACTACAAAGGAGAGATCCGTGAACGGGTGATGGCCGGGAGCTCGCTTACA 1057
DB 210 TGAGATATTACTACAAAAGAGAAATTTCTGGAGCGGTGTGATGAGAGAAAGACTGGATATA 151
QY 1058 AGTTGGCAAAAACCTCAAGCGGCTGGAAGAGAGAAGA 1094
DB 150 AATTGGGAAGATGCCCGAGAGATGAGAGAAAATGA 114

RESULT 5
US-09-439-313-44/c
; Sequence 44, Application US/09439313
; Patent No. 6329505
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun

```

APPLICANT: Dillon, Davin C.  
APPLICANT: Mitcham, Jennifer L.  
APPLICANT: Harlocker, Susan Louise  
APPLICANT: Jiang Yugu  
APPLICANT: Reed, Steven G.  
APPLICANT: Kalos, Michael  
APPLICANT: Fanger, Gary  
APPLICANT: Reiter, Mark  
APPLICANT: Solk, John  
APPLICANT: Day, Craig  
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THERAPY AND  
FILE REFERENCE: 210121.427C9  
CURRENT APPLICATION NUMBER: US/09/439,313  
CURRENT FILING DATE: 1999-11-12  
NUMBER OF SEQ ID NOS: 575  
SOFTWARE: FastSeq for Windows Version 3.0  
SEQ ID NO 44  
LENGTH: 852  
TYPE: DNA  
ORGANISM: Homo sapien  
FEATURE:  
NAME/KEY: misc\_feature  
LOCATION: (1)..(852)  
OTHER INFORMATION: n = A,T,C or G  
US-09-439-313-44

Query Match 15.6%; Score 173.8; DB 4; Length 852;  
Best Local Similarity 69.7%; Pred. No. 4.2e-35;  
Matches 235; Conservative 0; Mismatches 102; Indels 0; Gaps 0;

Qy 758 TGAGCAAGAGTACTGGAAGCTCTCGAGGGCAAGAGCAGCAGCGCCAGAGCA 817  
Db 450 TGAAG 391  
Qy 818 CCCACCTGTGGAGTTCATCCGGGACATCTTCATCCAGCCGAGCTCAAGAGGCTCA 877  
Db 390 CTCACTTATGGGAATTCATCCGCGACATCTTGAACCCAGAGAGAGAGAGAGAG 331  
Qy 878 TGAAGTGGAGAGATCGGAGATGAGAGGCTTCAAGTTCCTCGAGCTCCAGAGCTGAGCC 937  
Db 330 TAAATGGAG 271  
Qy 938 AACTATGGGCGCAAG 997  
Db 270 AGCTATGGGTTAAAG 211  
Qy 998 TGAGTACTACTACAAACGGAGATCTTGAACGGGTGATGCGCGAGCTCTCTACA 1057  
Db 210 TGAGATATTACTACAAAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 151  
Qy 1058 AGTTGGCAAAACCTCAAGCGGCTGGAAGAGAGAGAGAGAGAGAGAGAGAGAG 1094  
Db 150 AATTGGAGAGAGATGCCGAGAGATGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 114

RESULT 6  
US-09-352-616A-44/C  
Sequence 44, Application US/09352616A  
Patent No. 6395278  
GENERAL INFORMATION:  
APPLICANT: Dillon, Davin C.  
APPLICANT: Harlocker, Susan Louise  
APPLICANT: Jiang, Yugu  
APPLICANT: Xu, Jiangchun  
APPLICANT: Mitcham, Jennifer Lynn  
TITLE OF INVENTION: COMPOUNDS FOR IMMUNOTHERAPY AND DIAGNOSIS  
FILE REFERENCE: 210121.427C8  
CURRENT APPLICATION NUMBER: US/09/352,616A  
CURRENT FILING DATE: 1999-07-13  
NUMBER OF SEQ ID NOS: 472  
SOFTWARE: FastSeq for Windows Version 3.0

SEQ ID NO 44  
LENGTH: 852  
TYPE: DNA  
ORGANISM: Homo sapien  
FEATURE:  
NAME/KEY: misc\_feature  
LOCATION: (1)..(852)  
OTHER INFORMATION: n = A,T,C or G  
US-09-352-616A-44

Query Match 15.6%; Score 173.8; DB 4; Length 852;  
Best Local Similarity 69.7%; Pred. No. 4.2e-35;  
Matches 235; Conservative 0; Mismatches 102; Indels 0; Gaps 0;

Qy 758 TGAGCAAGAGTACTGGAAGCTCTCGAGGGCAAGAGCAGCAGCGCCAGAGCA 817  
Db 450 TGAAG 391  
Qy 818 CCCACCTGTGGAGTTCATCCGGGACATCTTCATCCAGCCGAGCTCAAGAGGCTCA 877  
Db 390 CTCACTTATGGGAATTCATCCGCGACATCTTGAACCCAGAGAGAGAGAGAGAG 331  
Qy 878 TGAAGTGGAGAGATCGGAGATGAGAGGCTTCAAGTTCCTCGAGCTCCAGAGCTGAGCC 937  
Db 330 TAAATGGAG 271  
Qy 938 AACTATGGGCGCAAG 997  
Db 270 AGCTATGGGTTAAAG 211  
Qy 998 TGAGTACTACTACAAACGGAGATCTTGAACGGGTGATGCGCGAGCTCTCTACA 1057  
Db 210 TGAGATATTACTACAAAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 151  
Qy 1058 AGTTGGCAAAACCTCAAGCGGCTGGAAGAGAGAGAGAGAGAGAGAGAGAGAG 1094  
Db 150 AATTGGAGAGAGATGCCGAGAGATGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 114

RESULT 7  
US-09-232-149A-44/C  
Sequence 44, Application US/09232149A  
Patent No. 6465611  
GENERAL INFORMATION:  
APPLICANT: Xu, Jiangchun  
APPLICANT: Dillon, Davin C.  
APPLICANT: Mitcham, Jennifer Lynn  
TITLE OF INVENTION: COMPOUNDS FOR IMMUNOTHERAPY OF PROSTATE  
FILE REFERENCE: 210121.427C6  
CURRENT APPLICATION NUMBER: US/09/232,149A  
CURRENT FILING DATE: 1999-01-15  
NUMBER OF SEQ ID NOS: 338  
SOFTWARE: FastSeq for Windows Version 3.0  
SEQ ID NO 44  
LENGTH: 852  
TYPE: DNA  
ORGANISM: Homo sapien  
FEATURE:  
NAME/KEY: misc\_feature  
LOCATION: (1)..(852)  
OTHER INFORMATION: n = A,T,C or G  
US-09-232-149A-44

Query Match 15.6%; Score 173.8; DB 4; Length 852;  
Best Local Similarity 69.7%; Pred. No. 4.2e-35;  
Matches 235; Conservative 0; Mismatches 102; Indels 0; Gaps 0;

Qy 758 TGAGCAAGAGTACTGGAAGCTCTCGAGGGCAAGAGCAGCAGCGCCAGAGCA 817  
Db 450 TGAAG 391  
Qy 818 CCCACCTGTGGAGTTCATCCGGGACATCTTCATCCAGCCGAGCTCAAGAGGCTCA 877

Db 390 CTACTTATGGGAATTCATCCGACATCTCTTGAACCCAGACAGAACCCAGATTA 331  
Qy 878 TGAAGTGGGAATTCGGCATGAAAGCGCTTCAAGTTCCTGCGCTCCGAGGCTGGCC 937  
Db 330 TAAATGGGAAGACCGATCTGAGGCGCTCTTCAAGTTCTTGAATCAGAGGCACTGCTC 271  
Qy 938 AACTATGGGGCCAAAGAAAGAAAGCAACATGACTTACGAGAGCTGAGCCGCGCA 997  
Db 270 AGCTATGGGGTAAAGAAAGAAAGCAACAGCATGACTTGAAGAACTCAGCCGAGCTA 211  
Qy 998 TGAAGTCTACTACAAACGGAGATCTCGAAGCGGTGATGCGCGGCGACTGCTTACA 1057  
Db 210 TGAGATATTACTACAAAGAGAAATCTGAGCGCTGTGATGAGCAAGACTGCTATATA 151  
Qy 1058 AGTTGGCAAAAACCTCAAGCGGCTGGAAGAGAGAGA 1094  
Db 150 AATTGGGAAGAAATGCCCGAGATGAGAGAAATGA 114

## RESULT 8

US-09-009-913-2  
; Sequence 2, Application US/09009913  
; Patent No. 6087485  
; GENERAL INFORMATION:  
; APPLICANT: Axy's Pharmaceuticals, Inc.  
; TITLE OF INVENTION: Asthma Related Genes  
; NUMBER OF SEQUENCES: 339  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Bozicevic & Reed, LLP  
; STREET: 285 Hamilton Ave, Suite 200  
; CITY: Palo Alto  
; STATE: CA  
; COUNTRY: USA  
; ZIP: 94301  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Diskette  
; COMPUTER: IBM Compatible  
; OPERATING SYSTEM: DOS  
; SOFTWARE: FastSeq for Windows Version 2.0  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/09/009,913  
; FILING DATE: 21-JAN-1998  
; CLASSIFICATION:  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER:  
; FILING DATE:  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Sherwood, Pamela J  
; REGISTRATION NUMBER: 36,677  
; REFERENCE/DOCKET NUMBER: SEQ-4P  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: 650-327-3231  
; TELEFAX: 650-327-3231  
; TELEX:  
; INFORMATION FOR SEQ ID NO: 2:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 5427 base pairs  
; TYPE: nucleic acid  
; STRANDEDNESS: double  
; TOPOLOGY: linear  
; MOLECULE TYPE: cDNA  
; US-09-009-913-2

Query Match 15.6%; Score 173.8; DB 3; Length 5427;  
Best Local Similarity 69.7%; Pred. No. 7.4e-35;  
Matches 235; Conservative 0; Mismatches 102; Indels 0; Gaps 0;

Qy 758 TGACCAAGAGTACTGAGACTGTCTCGAGGCAAGAGAGACAGCCGCCAGAGCA 817  
Db 709 TGAAGAAAGAGCAAGACCCCTGCGCAAGTCCACACCAAAAGACCAACCCGAGAGGA 768  
Qy 818 CCCACTGTGGAGTTTCATCCGGGACATCTCATCCACCCGAGCTCAACGAGGCTCTCA 877

Db 769 CTACTTATGGGAATTCATCCGACATCTCTTGAACCCAGACAGAACCCAGATTA 828  
Qy 878 TGAAGTGGGAATTCGGCATGAAAGCGCTTCAAGTTCCTGCGCTCCGAGGCTGGCC 937  
Db 829 TAAATGGGAAGACCGATCTGAGGCGCTCTTCAAGTTCTTGAATCAGAGGCACTGCTC 888  
Qy 938 AACTATGGGGCCAAAGAAAGAAAGCAACATGACTTACGAGAGCTGAGCCGCGCA 997  
Db 889 AGCTATGGGGTAAAGAAAGAAAGCAACAGCATGACTTGAAGAACTCAGCCGAGCTA 948  
Qy 998 TGAAGTCTACTACAAACGGAGATCTCGAAGCGGTGATGCGCGGCGACTGCTTACA 1057  
Db 949 TGAGATATTACTACAAAGAGAAATCTGAGCGCTGTGATGAGCAAGACTGCTATATA 1008  
Qy 1058 AGTTGGCAAAAACCTCAAGCGGCTGGAAGAGAGAGA 1094  
Db 1009 AATTGGGAAGAAATGCCCGAGATGAGAGAAATGA 1045

## RESULT 9

US-09-009-913-3  
; Sequence 3, Application US/09009913  
; Patent No. 6087485  
; GENERAL INFORMATION:  
; APPLICANT: Axy's Pharmaceuticals, Inc.  
; TITLE OF INVENTION: Asthma Related Genes  
; NUMBER OF SEQUENCES: 339  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Bozicevic & Reed, LLP  
; STREET: 285 Hamilton Ave, Suite 200  
; CITY: Palo Alto  
; STATE: CA  
; COUNTRY: USA  
; ZIP: 94301  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Diskette  
; COMPUTER: IBM Compatible  
; OPERATING SYSTEM: DOS  
; SOFTWARE: FastSeq for Windows Version 2.0  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/09/009,913  
; FILING DATE: 21-JAN-1998  
; CLASSIFICATION:  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER:  
; FILING DATE:  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Sherwood, Pamela J  
; REGISTRATION NUMBER: 36,677  
; REFERENCE/DOCKET NUMBER: SEQ-4P  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: 650-327-3231  
; TELEFAX: 650-327-3231  
; TELEX:  
; INFORMATION FOR SEQ ID NO: 3:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 5510 base pairs  
; TYPE: nucleic acid  
; STRANDEDNESS: double  
; TOPOLOGY: linear  
; MOLECULE TYPE: cDNA  
; US-09-009-913-3

Query Match 15.6%; Score 173.8; DB 3; Length 5510;  
Best Local Similarity 69.7%; Pred. No. 7.4e-35;  
Matches 235; Conservative 0; Mismatches 102; Indels 0; Gaps 0;

Qy 758 TGACCAAGAGTACTGAGACTGTCTCGAGGCAAGAGAGACAGCCGCCAGAGCA 817  
Db 792 TGAAGAAAGAGCAAGACCCCTGCGCAAGTCCACACCAAAAGACCAACCCGAGAGGA 851  
Qy 818 CCCACTGTGGAGTTTCATCCGGGACATCTCATCCACCCGAGCTCAACGAGGCTCTCA 877

Db 852 CTCACCTATGGGAATTCATCCCGACATCTCTTGAACCCAGACAAGAACCCAGATTAA 911  
Qy 878 TGAAGTGGAGAAATGGGAGATGAAGGCGTCTTGAAGTTCCTGCGCTCCGAGGCTGAGGCC 937  
Db 912 TAAATATGGAGACCGATCTGAGGCGCTTCTTGAATCAGAGGATGAGCTC 971  
Qy 938 AACTATGGGGCCAAAGAAAAGAAAGAACAGACATGACCTACAGAACTGAGCCGGGCCA 997  
Db 972 AGCTATGGGGTAAAGAAAGAAAGAACAGACATGACCTATAGAAAGCTCAGCCGAGCTA 1031  
Qy 998 TGAGTACTACTACAAACGGGAGATCTTGGAACGGGTGATGCGCGACTCTGCTTACA 1057  
Db 1032 TGAGTATTACTACAAAGAGAAATACCTGAGCGCTGTGATGAGACGAAAGACTGTATATA 1091  
Qy 1058 AGTTGGCAAAACTCAAGCGGCTGGAAGAGAGAGA 1094  
Db 1092 AATTGGAGAAATGCCGAGATGAGAGAAATGA 1128

## RESULT 10

US-09-009-913-4  
; Sequence 4, Application US/09009913  
; Patent No. 6087485  
; GENERAL INFORMATION:  
; APPLICANT: Ays Pharmaceuticals, Inc.  
; TITLE OF INVENTION: Asthma Related Genes  
; NUMBER OF SEQUENCES: 339  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Bozicevic & Reed, LLP  
; STREET: 285 Hamilton Ave, Suite 200  
; CITY: Palo Alto  
; STATE: CA  
; COUNTRY: USA  
; ZIP: 94301  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Diskette  
; COMPUTER: IBM Compatible  
; OPERATING SYSTEM: DOS  
; SOFTWARE: FastSeq for Windows Version 2.0  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/09/009,913  
; FILING DATE: 21-JAN-1998  
; CLASSIFICATION:  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER:  
; FILING DATE:  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Sherwood, Pamela J  
; REGISTRATION NUMBER: 36,677  
; REFERENCE/DOCKET NUMBER: SEQ-4P  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: 650-327-3231  
; TELEFAX: 650-327-3231  
; TELEX:  
; INFORMATION FOR SEQ ID NO: 4:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 5667 base pairs  
; TYPE: nucleic acid  
; STRANDEDNESS: double  
; TOPOLOGY: linear  
; MOLECULE TYPE: cDNA  
; US-09-009-913-4

Query Match 15.6%; Score 173.8; DB 3; Length 5667;  
Best Local Similarity 69.7%; Pred. No. 7.5e-35;  
Matches 235; Conservative 0; Mismatches 102; Indels 0; Gaps 0;

Qy 758 TGAGCAAAAGTAAGTCTGCTCGAGGGCAAGAGCAAGCAAGGCGCCAGAGGCA 817  
Db 949 TAAAGAAAGAGCAAGACCCCTCTGCGCAAGTGCACACCAAAAGCAACCCGAGAGGGA 1008  
Qy 818 CCACCTGTGGAGTTTCATCCGGGACATCTCTCAACCCGAGACTCAACGAGGGCTCA 877

Db 1009 CTCACCTATGGGAATTCATCCCGACATCTCTTGAACCCAGACAAGAACCCAGATTAA 1068  
Qy 878 TGAAGTGGAGAAATGGGAGATGAAGGCGTCTTGAAGTTCCTGCGCTCCGAGGCTGAGGCC 937  
Db 1069 TAAATATGGAGACCGATCTGAGGCGCTTCTTGAATCAGAGGATGAGCTC 1128  
Qy 938 AACTATGGGGCCAAAGAAAAGAAAGAACAGACATGACCTACAGAACTGAGCCGGGCCA 997  
Db 1129 AGCTATGGGGTAAAGAAAGAAAGAACAGACATGACCTATAGAAAGCTCAGCCGAGCTA 1188  
Qy 998 TGAGTACTACTACAAACGGGAGATCTTGGAACGGGTGATGCGCGACTCTGCTTACA 1057  
Db 1169 TGAGTATTACTACAAAGAGAAATACCTGAGCGCTGTGATGAGACGAAAGACTGTATATA 1248  
Qy 1058 AGTTGGCAAAACTCAAGCGGCTGGAAGAGAGAGA 1094  
Db 1249 AATTGGAGAAATGCCGAGATGAGAGAAATGA 1285

## RESULT 11

US-09-009-913-338  
; Sequence 338, Application US/09009913  
; Patent No. 6087485  
; GENERAL INFORMATION:  
; APPLICANT: Ays Pharmaceuticals, Inc.  
; TITLE OF INVENTION: Asthma Related Genes  
; NUMBER OF SEQUENCES: 339  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Bozicevic & Reed, LLP  
; STREET: 285 Hamilton Ave, Suite 200  
; CITY: Palo Alto  
; STATE: CA  
; COUNTRY: USA  
; ZIP: 94301  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Diskette  
; COMPUTER: IBM Compatible  
; OPERATING SYSTEM: DOS  
; SOFTWARE: FastSeq for Windows Version 2.0  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/09/009,913  
; FILING DATE: 21-JAN-1998  
; CLASSIFICATION:  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER:  
; FILING DATE:  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Sherwood, Pamela J  
; REGISTRATION NUMBER: 36,677  
; REFERENCE/DOCKET NUMBER: SEQ-4P  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: 650-327-3231  
; TELEFAX: 650-327-3231  
; TELEX:  
; INFORMATION FOR SEQ ID NO: 338:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 848 base pairs  
; TYPE: nucleic acid  
; STRANDEDNESS: double  
; TOPOLOGY: linear  
; MOLECULE TYPE: cDNA  
; FEATURE:  
; NAME/KEY: Coding Sequence  
; LOCATION: 1...848  
; OTHER INFORMATION:  
; US-09-009-913-338

Query Match 14.6%; Score 162.6; DB 3; Length 848;  
Best Local Similarity 72.7%; Pred. No. 2.9e-32;  
Matches 210; Conservative 0; Mismatches 79; Indels 0; Gaps 0;

Qy 758 TGAGCAAAAGTAAGTCTGCTCGAGGGCAAGAGCAAGCAAGCAAGGCGCCAGAGGCA 817

Db 560 TGAAGAGGAGCAGACCCCTGTAAATCCACACCAAAAACAGCAACCCAGAGAGCA 619  
Qy 818 CCCAGCTGTGGAGTTTCATCCGGGACATCCATCCACCCGGAGCTCAAGAGGCGCTCA 877  
Db 620 CTCCTTATGAGATTATCCGAGACATTTCTTTGAGCCAGACAAAGACCCAGGCTGA 679  
Qy 878 TGAAGTGGAGAAATCGGCATGAGAGCGCTTTCAGATTCTGCGCTCCGAGGCTGCGCC 937  
Db 680 TCAATGAGGAAGACCGTTCCGAGAGCATCTTCAAGTTCTGAACTCAGAAAGCTGTGCTC 739  
Qy 938 AACTATGGGCGCAAAAGAAAAGACGACATGACCTTACGAGAGCTGAGCGGCGCA 997  
Db 740 AGCTGTGGGGGAAAAAATAATACAGTACATGACATGACGAGAACTCAGCGGCGCTA 799  
Qy 998 TGAGGTACTACTCAACGGGAGATCTCGAAGCGGTGATGCGCGCGC 1046  
Db 800 TGAGATTTACTTACAAAGAGAAATCCTGGAACTGTGATGAGCAGC 848

## RESULT 12

US-09-009-913-8  
; Sequence 8, Application US/09009913  
; Patent No. 6087485  
; GENERAL INFORMATION:  
; APPLICANT: Axy's Pharmaceuticals, Inc.  
; TITLE OF INVENTION: Asthma Related Genes  
; NUMBER OF SEQUENCES: 339  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Bozicevic & Reed, LLP  
; STREET: 285 Hamilton Ave, Suite 200  
; CITY: Palo Alto  
; STATE: CA  
; COUNTRY: USA  
; ZIP: 94301  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Diskette  
; OPERATING SYSTEM: DOS  
; SOFTWARE: FastSeq for Windows Version 2.0  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/09/009,913  
; FILING DATE: 21-JAN-1998  
; CLASSIFICATION:  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER:  
; FILING DATE:  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Sherwood, Pamela J  
; REGISTRATION NUMBER: 36,677  
; REFERENCE/DOCKET NUMBER: SEQ-4P  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: 650-327-3231  
; TELEFAX: 650-327-3231  
; TELEX:  
; INFORMATION FOR SEQ ID NO: 8:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 2280 base pairs  
; TYPE: nucleic acid  
; STRANDEDNESS: double  
; TOPOLOGY: linear  
; MOLECULE TYPE: cDNA  
US-09-009-913-8

Query Match 9.1%; Score 101.2; DB 3; Length 2280;  
Best Local Similarity 61.7%; Pred. No. 1.5e-16;  
Matches 179; Conservative 0; Mismatches 108; Indels 3; Gaps 1;

Qy 808 CCAGAGGACCCACCTGTGGAGTTATCCGGACATCTCTACACCCGGAGCTCAAC 867  
Db 548 CTCCTCAAGTTCTCATCTATGAGAAATTTGTACGAGACCTGCTTCTATCTCTCGAAGAAAC 607  
Qy 868 GAGGGCTCATGAAAGTGGAGAAATCGCATGAAAGCGCTTCAAGTTCTGCGCTCGAG 927

Db 608 TGTGGCATTTCTGGAATGGGAGATAGGAAACAAGAAATTTTCGGGTGTTAAATCGAA 667  
Qy 928 GCTGTGGCCCACTATGAGGAGCAAAAGAAAAGAACGAACTGACCTCGAAGACTG 987  
Db 668 GCCCTGCAAAAGATGTGGGACAAAGAGAAAATGACAGAAATGAGATGAAAGCTTG 727  
Qy 988 AGCGGCGCATGAGTACTACTCAAAACGGAGATCTGTGAACGGGTGATGCGCGCGA 1047  
Db 728 AGCAGAGCCCTGAGATACTACTTAAACAGAAATTTTGAAGCGGT---TGACCGAAG 784  
Qy 1048 CTGCTTACAGTTTGGCAAAAATCTCAGCGGCTGAGAGAGAGAGGT 1097  
Db 785 TTAGTGTACAAATTTGGAAAAAATGACACGCGGTGCGAGAGACAGCT 834

## RESULT 13

US-09-009-913-6  
; Sequence 6, Application US/09009913  
; Patent No. 6087485  
; GENERAL INFORMATION:  
; APPLICANT: Axy's Pharmaceuticals, Inc.  
; TITLE OF INVENTION: Asthma Related Genes  
; NUMBER OF SEQUENCES: 339  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Bozicevic & Reed, LLP  
; STREET: 285 Hamilton Ave, Suite 200  
; CITY: Palo Alto  
; STATE: CA  
; COUNTRY: USA  
; ZIP: 94301  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Diskette  
; OPERATING SYSTEM: DOS  
; SOFTWARE: FastSeq for Windows Version 2.0  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/09/009,913  
; FILING DATE: 21-JAN-1998  
; CLASSIFICATION:  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER:  
; FILING DATE:  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Sherwood, Pamela J  
; REGISTRATION NUMBER: 36,677  
; REFERENCE/DOCKET NUMBER: SEQ-4P  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: 650-327-3231  
; TELEFAX: 650-327-3231  
; TELEX:  
; INFORMATION FOR SEQ ID NO: 6:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 2428 base pairs  
; TYPE: nucleic acid  
; STRANDEDNESS: double  
; TOPOLOGY: linear  
; MOLECULE TYPE: cDNA  
US-09-009-913-6

Query Match 9.1%; Score 101.2; DB 3; Length 2428;  
Best Local Similarity 61.7%; Pred. No. 1.5e-16;  
Matches 179; Conservative 0; Mismatches 108; Indels 3; Gaps 1;

Qy 808 CCAGAGGACCCACCTGTGGAGTTATCCGGACATCTCTACACCCGGAGCTCAAC 867  
Db 696 CTCCTCAAGTTCTCATCTATGAGAAATTTGTACGAGACCTGCTTCTATCTCTGAAGAAAC 755  
Qy 868 GAGGGCTCATGAAAGTGGAGAAATCGCATGAAAGCGCTTCAAGTTCTGCGCTCGAG 927  
Db 756 TGTGGCATTTCTGGAATGGGAGATAGGAAACAAAGAAATTTTCGGGTGTTAAATCGAA 815  
Qy 928 GCTGTGGCCCACTATGAGGAGCAAAAGAAAAGAACGAACTGACCTGAGAAAGCTG 987

Db 816 GCCCTGGGAAAGATGTGGGACAAAGAAATAATGACAGATATACCTATGAAAAAGTTG 875  
Qy 988 AGCCGGGCGCATAGAGTACTACTACAAACGGGAGATCTGTGAACGGGTGGATGGCCGGCA 1047  
Db 876 AGCAGAGCCCTGAGTACTACTACTATTAACAGAAATTTTGGAGCGGGT---TGACCGAAG 932  
Qy 1048 CTCGTCTACAAAGTTTGGCAAAAATCTCAAGCGGCTGGAAGGAGGAAGGT 1097  
Db 933 TTAGTGTACAAATTTGGAAAAATGACACACGCGGTGGCAGGAAGACAGCT 982

RESULT 14  
US-09-913-10  
Sequence 10, Application US/09009913  
Patent No. 6087485  
GENERAL INFORMATION:  
APPLICANT: Alys Pharmaceuticals, Inc.  
TITLE OF INVENTION: Asthma Related Genes  
NUMBER OF SEQUENCES: 339  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Bozicevic & Reed, LLP  
STREET: 285 Hamilton Ave, Suite 200  
CITY: Palo Alto  
STATE: CA  
COUNTRY: USA  
ZIP: 94301  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Diskette  
COMPUTER: IBM Compatible  
OPERATING SYSTEM: DOS  
SOFTWARE: FastSeq for Windows Version 2.0  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/09/009,913  
FILING DATE: 21-JAN-1998  
CLASSIFICATION:  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER:  
ATTORNEY/AGENT INFORMATION:  
FILING DATE:  
NAME: Sherwood, Pamela J  
REGISTRATION NUMBER: 36,677  
REFERENCE/DOCKET NUMBER: SEQ-4P  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 650-327-3231  
TELEFAX: 650-327-3231  
TELEX:  
INFORMATION FOR SEQ ID NO: 10:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 2498 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: double  
TOPOLOGY: linear  
MOLECULE TYPE: cDNA  
US-09-009-913-10

Query Match 9.1%; Score 101.2; DB 3; Length 2498;  
Best Local Similarity 61.7%; Pred. No. 1.5e-16;  
Matches 179; Conservative 0; Mismatches 108; Indels 3; Gaps 1;

Qy 808 CCCAGAGGACCCACCTGTGGAGTTCATCCGGACATCTCATCCACCGGAGGCTCAAC 867  
Db 765 CTCGAAAGTTCTCATCTATGGGAATTTGTACAGACCTCTCTATCTCTGAAGAAAAC 824  
Qy 868 GAGGCGCTCAGTGAAGTGGAGAAATCGCATGAAGCGCTTCAAGTTCTCTCCGCGAG 927  
Db 825 TGTGGCATTTCTGGAATGGGAAAGATAGGAAACAAGAAATTTTCGGGTGGTTAAATCGGAA 884  
Qy 928 GCTGTGGCCCACTATGGGGCCAAAAGAAAAGAACAGACATGACCTACAGAAAGCTG 987  
Db 885 GCCCTGGCAAAAGATGTGGGACAAAGAAAAGAAATGACAGAAATGCGATGAAAAAGTTG 944  
Qy 988 AGCCGGGCGCATAGAGTACTACTACAAACGGGAGATCTGTGAACGGGTGGATGGCCGGCA 1047

Db 945 AGCAGAGCCCTGAGATTAATCTATPAAAAACAGAAATTTTGGAGCGGGT---TGACCGAAG 1001  
Qy 1048 CTCGTCTACAAAGTTTGGCAAAAATCTCAAGCGGCTGGAAGGAGGAAGGT 1097  
Db 1002 TTAGTGTACAAATTTGGAAAAATGACACACGCGGTGGCAGGAAGACAGCT 1051

RESULT 15  
US-09-213-767-1  
Sequence 1, Application US/09213767  
Patent No. 5948680  
GENERAL INFORMATION:  
APPLICANT: Brenda F. Baker  
APPLICANT: Lex M. Cowser  
TITLE OF INVENTION: ANTISENSE MODULATION OF ELK-1 EXPRESSION  
FILE REFERENCE: RTS-0024  
CURRENT APPLICATION NUMBER: US/09/213,767  
CURRENT FILING DATE: 1998-12-17  
NUMBER OF SEQ ID NOS: 47  
SEQ ID NO 1  
LENGTH: 2266  
TYPE: DNA  
ORGANISM: Homo sapiens  
FEATURE:  
NAME/KEY: CDS  
LOCATION: (316)..(1602)  
US-09-213-767-1

Query Match 7.6%; Score 84.8; DB 2; Length 2266;  
Best Local Similarity 64.0%; Pred. No. 2.1e-12;  
Matches 128; Conservative 0; Mismatches 72; Indels 0; Gaps 0;

Qy 864 CAACGAGGCGCTCATGAAATCGGAGAAATCGGATGAAGCGCTTCAAGTTCTGCGCTC 923  
Db 372 CATGGCCATCATCTCTCTGACTTACGSGGATGCTGTAATTCAGCTGTGATGC 431  
Qy 924 CGAGGCTGTGGCCCACTATGAGGGCCAAAAGAAAAGAACAGCAATGACCTACGAGAA 983  
Db 432 AGAGAGGTGGCCCGGCTGTGGGACATACGCAAGAACAAACAAATGAAATTACGACAA 491  
Qy 984 GCTGAGCGGGGCGCATGAGTACTACTACAAACGGAGATCTTGAACGGGTGATGCGCG 1043  
Db 492 GCTCAGCGGGGCGCTTGGCTACTACTATGACAAAGAAATCATCCGCAAGGTGAGCGGCA 551  
Qy 1044 GCGACTGCTTACAAAGTTG 1063  
Db 552 GAAGTTCGTACAAAGTTG 571

Search completed: March 15, 2003, 15:12:50  
Job time : 49.3242 secs